

accompanying payload data, said overhead data comprising an IP destination address, an IP source address and a destination facsimile number of the destination facsimile device, said payload data comprising binary facsimile data converted from a standard facsimile protocol signal or electronic mail data of a standard electronic mail transmission signal;

screening each of said incoming transmissions received, said screening comprising performing a reverse DNS lookup for each of said incoming transmissions, with at least one database holding information identifying source internet facsimile servers and IP client sources, to determine whether said incoming transmission was sent from an IP client source device or a source facsimile device via a source internet facsimile server;

converting said electronic mail data of said incoming transmission to binary facsimile data when it is determined that said incoming transmission was sent from an IP client source;

locating an IP destination address of a target internet facsimile server based on the destination facsimile number, when it is determined that said incoming transmission was sent from an IP client source;

converting said binary facsimile data to a standard facsimile protocol signal when it is determined that said incoming transmission was sent from a source facsimile device via a source internet facsimile server; and

further communicating each of said incoming transmissions, said communicating comprising:

initiating placement of a call over at least one standard telephone line to the destination facsimile number of said destination facsimile device when it is determined that said incoming transmission was sent from a source facsimile device via a source internet facsimile server;

delivering said payload data to said destination facsimile device in accordance with the standard facsimile protocol signal converted by said second converter;  
and

transmitting said converted binary facsimile data to said target internet facsimile server over a connectionless network layer of the IP network when it is determined that said incoming transmission was sent from an IP client source device, said converted binary facsimile data being forwarded to the IP destination address of said target internet facsimile through the IP network. - -

See attached Appendix for changes to amended claim.